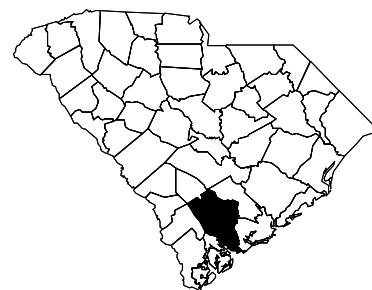


IMPACT OF CHRONIC CONDITIONS COLLETON County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Colleton county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Colleton county's population is similar to the state population. The majority (36%) of the population in Colleton county are between the ages of 18-44, and there are more females (52%) than males (48%). However, Colleton county has a higher minority population (43%) than the state (32%). When adults in Colleton county were asked about their general health status, 73.5% reported having excellent, very good, or good health in 2002 (SC was 83%).

	COLLETON COUNTY	STATE
Population size	38,804	4,107,183
Age distribution (%)		
<18	25	24
18-44	36	40
45-64	26	24
65-84	11	11
85+	1	1
Race (%)		
White	57	68
Black & Other	43	32
Sex (%)		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Colleton County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	28	27
Sedentary lifestyle	47	42
Overweight	55	60
High Cholesterol	8	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	27.8	.	.	.	.	28.4
Number of hospitalizations	118	80	38	44	74	5,173
Standard rate of hospitalizations (per 100,000)	292	523	148	251	321	125
Median age of hospitalized patients	68	58	73	63	68	63
Total cost of hospitalization (\$)	1,623,500	1,131,600	491,900	541,900	1,081,600	79,350,400
Average length of hospital stay (days)	6	6	5	5	6	5
Number of ED visits	78	53	25	32	46	7,306
Standard rate of ED visits (per 100,000)	194	341	98	172	209	175
Median age of ED patients	53	48	63	55	53	53
Total cost of ED visits (\$)	50,400	31,200	19,200	20,500	29,900	5,902,800
Number of deaths*	13	10	3	5	8	366
Standard death rate (per 100,000)*	33	70	10	28	34	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	4.24	.	.	.	.	5.13
Number of hospitalizations	354	104	250	194	160	30,831
Standard rate of hospitalizations (per 100,000)	854	673	959	1,018	701	734
Median age of hospitalized patients	68	68	68	68	73	68
Total cost of hospitalization (\$)	11,759,600	2,550,300	9,209,300	7,651,700	4,107,900	969,122,700
Average length of hospital stay (days)	6	5	6	6	5	5
Number of ED visits	71	14	57	44	27	2,754
Standard rate of ED visits (per 100,000)	169	86	221	230	117	66
Median age of ED patients	68	65	68	65	68	63
Total cost of ED visits (\$)	238,900	58,200	180,700	162,000	76,900	10,617,900
Number of deaths*	104	35	69	52	52	9,723
Standard death rate (per 100,000)*	267	240	286	318	222	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.6	.	.	.	.	2.38
Number of hospitalizations	156	72	84	61	95	14,317
Standard rate of hospitalizations (per 100,000)	392	476	342	373	412	351
Median age of hospitalized patients	70	68	73	68	73	73
Total cost of hospitalization (\$)	2,380,500	1,215,800	1,164,700	1,087,100	1,293,400	279,819,700
Average length of hospital stay (days)	6	7	6	7	6	6
Number of ED visits	40	22	18	21	19	2,732
Standard rate of ED visits (per 100,000)	99	145	74	121	84	67
Median age of ED patients	65	58	68	68	58	73
Total cost of ED visits (\$)	90,400	54,200	36,200	47,500	42,900	6,322,600
Number of deaths*	29	14	15	12	17	2,816
Standard death rate (per 100,000)*	75	98	64	88	73	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	276	94	182	111	165	14,524
Standard rate of hospitalizations (per 100,000)	684	604	720	595	765	351
Median age of hospitalized patients	63	53	63	63	60	58
Total cost of hospitalization (\$)	3,226,900	878,000	2,348,900	1,348,300	1,878,600	198,700,700
Average length of hospital stay (days)	5	4	6	5	5	5
Number of ED visits	555	303	252	258	297	37,517
Standard rate of ED visits (per 100,000)	1,420	1,788	1,114	1,371	1,474	914
Median age of ED patients	28	23	33	13	33	33
Total cost of ED visits (\$)	346,500	168,500	178,000	168,800	177,700	30,607,600
Number of deaths*	18	4	14	10	8	1,891
Standard death rate (per 100,000)*	45	29	55	56	35	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	8.4	.	.	.	.	8.33
Number of hospitalizations	164	93	71	66	98	8,652
Standard rate of hospitalizations (per 100,000)	408	590	298	362	450	207
Median age of hospitalized patients	55	55	55	53	58	53
Total cost of hospitalization (\$)	1,670,000	807,600	862,400	695,700	974,300	127,167,500
Average length of hospital stay (days)	5	5	6	6	5	6
Number of ED visits	173	129	44	67	106	9,316
Standard rate of ED visits (per 100,000)	431	824	184	364	479	224
Median age of ED patients	63	63	53	58	63	53
Total cost of ED visits (\$)	117,300	77,000	40,300	43,700	73,600	8,261,100
Number of deaths*	11	5	5	3	2	1,114
Standard death rate (per 100,000)*	26	34	18	23	14	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	252	98	154	87	165	24,644
Standard rate of hospitalizations (per 100,000)	625	628	614	483	767	591
Median age of hospitalized patients	58	53	63	68	53	58
Total cost of hospitalization (\$)	6,452,200	2,001,200	4,451,000	2,705,000	3,747,200	605,119,300
Average length of hospital stay (days)	6	6	7	8	6	6
Number of deaths*	87	32	55	49	38	8,320
Standard death rate (per 100,000)*	215	216	216	293	166	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	17	3	14	4	13	2,113
Standard rate of hospitalizations (per 100,000)	41	21	53	19	56	51
Median age of hospitalized patients	58	78	58	58	73	68
Total cost of hospitalization (\$)	791,100	45,800	745,300	400,600	390,500	80,248,200
Average length of hospital stay (days)	11	4	13	20	8	10
Number of deaths*	8	1	7	4	4	807
Standard death rate (per 100,000)*	20	7	27	24	18	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	18	7	11	.	18	1,465
Standard rate of hospitalizations (per 100,000)	44	45	42	.	81	35
Median age of hospitalized patients	58	48	58	.	58	63
Total cost of hospitalization (\$)	213,000	89,000	124,000	.	213,000	21,213,600
Average length of hospital stay (days)	3	4	2	.	3	3
Number of deaths*	6	5	1	-	6	630
Standard death rate (per 100,000)*	15	33	4	-	27	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	5	6	5	.	10	5
Median age of hospitalized patients	43	48	38	.	43	48
Total cost of hospitalization (\$)	24,300	16,700	7,600	.	24,300	3,668,300
Average length of hospital stay (days)	3	4	1	.	1	4
Number of deaths*	-	1	-	1	3	26
Standard death rate (per 100,000)*	-	4	-	5	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	25	7	18	14	11	2,154
Standard rate of hospitalizations (per 100,000)	62	42	69	84	48	51
Median age of hospitalized patients	68	53	70	70	68	68
Total cost of hospitalization (\$)	612,400	115,100	497,300	397,000	215,400	70,474,400
Average length of hospital stay (days)	6	6	6	7	5	9
Number of deaths*	26	7	19	17	9	2,481
Standard death rate (per 100,000)*	65	49	73	102	38	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	17	8	9	17	.	1,353
Standard rate of hospitalizations (per 100,000)	37	45	32	84	.	32
Median age of hospitalized patients	63	60	63	63	.	68
Total cost of hospitalization (\$)	300,200	163,200	137,000	300,200	.	24,726,200
Average length of hospital stay (days)	3	3	4	3	.	4
Number of deaths*	11	3	8	11	-	478
Standard death rate (per 100,000)*	29	21	34	81	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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